

## Engineering Design for the Developing World

### Spring 2008

#### Assignment #2

Due: 21st May, 2008, via email.

The previous two seminars have introduced you to some of the problems and needs of the people of Mali. This assignment will give you an opportunity to think about ways in which you might contribute to solutions to their problems.

The scenario is the following...

Suppose that you have received a \$100,000 grant for the purpose of providing sustainable technological assistance to the people of a sub-Saharan West African nation. You are now required to produce a project proposal, outlining how you will spend this money and what you intend to achieve. This project has a 5 year life time, after which your technology should be used and maintained locally. Your proposal should be structured in the following way:

1. A summary of the problem that you intend to address, the technology you hope to deploy, and the expected impact of your project.
2. A more detailed problem analysis and introduction to your technology. Describe why your technology will help the region.
3. Describe your goals and how you intend to measure whether or not they have been met.
4. An implementation plan. Describe each of your on-site visits include the number and skills of the participants, as well as what you expect to achieve on each visit.
5. Include an approximate budget covering the cost of the technologies you intend to deploy. You may assume that travel costs for your team are already covered by alternative means.

You may interpret the term “technology” in a very broad sense.

Getting quotes from technology suppliers is not necessary here. A very rough estimate of costs will do; I’m more interested in the relative assignment of costs in the budget than accurate numbers.

Please submit this analysis as a PDF document (4 pages maximum), emailed to me by the above date.